

Constituent of Smart Factory

Much more than just data

Of course, the acquisition and analysis of production data is the main focus of our Smart Factory approach.

Measures must be derived from this data with which the entire production system and its individual processes can be designed more effectively. Our SP series stencil printers are a constituent of this concept, which gives you complete control of the production line, including all non-Panasonic systems, together with the iLNB line management.



Panasonic

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Panasonic CONNECT

Stencil printer GP/L | SPV | SPV-DC

For your efficiency
of today and tomorrow



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Stencil printers from Panasonic – uncompromising printer results

The three stencil printers are ideal for a wide range of applications

The machines from Panasonic are excellent stencil printers for a wide range of applications.

Whereas the GP/L in particular is characterized by a high degree of modularity with many outstanding functions, the SPV and SPV-DC variants specialise in high-precision printing in the high-volume environment. One thing which all variants have in common is the exact printing table with the hybrid print head and the three-part transport, making speed and precision possible when very fine structures are being printed.

Inovative functions such as paperless cleaning, programmable top & side clamping and the adjustable squeegee angle minimise production costs and increase product quality.



Panasonic printers

Technical data comparison

	GP/L flexible	SPV fast	SPV-DC faster (2 in 1)
PCB size (min. 50 x 50 mm)	Max. 510 x 510 mm	Max. 350 x 300 mm	Max. 350 x 300 mm
PCB transport time (incl. reference mark detection for 350 x 300 mm PCBs)	6.5 s	5.5 s	5.5 s (Per printer table)
Cycle time for reference PCB including cleaning after each printing operation	12 s (250 x 150 mm)	10 s (250 x 165 mm)	6.5 s (13 s per side) (250 x 165 mm)
Mechanical repeat accuracy	±6.35 µm with 5 sigma	±8.35 µm with 5 sigma	
Wet printing accuracy	±12.5 µm with 5 sigma (Cp ≥ 1.67)	±25 µm with 5 sigma (Cp ≥ 1.67)	
Frame size	different sizes from 584 mm × 584 mm to 750 mm × 750 mm		
Special features	„back-to-back“ installation Optional dispense head (glue/solder paste)	„back-to-back“ installation	Optimised for double lane

Disclaimer: Right reserved to make changes; the respective current Panasonic machine specification applies.

Find out more
about our stencil
printers ▶



Machine highlights

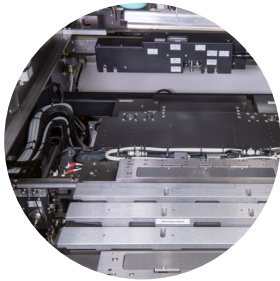
3-piece transport for the
shortest cycle times

Short cycle times due to 3-piece version of the PCB transport, 6.5 sec. PCB change time including reference mark detection for maximum throughput.



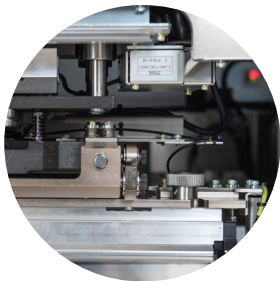
Freely programmable printing table

Variable lift-off characteristics for maximum precision and reproducible printing results.



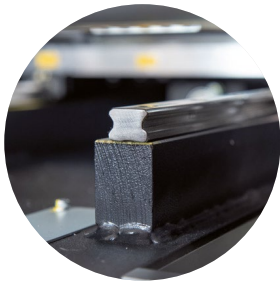
Hybrid print head

Printing with air pressure and closed-loop control for gentle printing, combined with motorised up and down movement of the squeegee for cycle time-optimized printing.



Robust design

Stable welded construction with a deliberately heavy design for neat, reproducible printing results and a long service life.



Other machine options



Automatic support pins

Uniform support of the PCB with freely positionable support pins for high-precision printing results



Paperless cleaning

Reliable paperless cleaning using a vacuum, including a quick-change system for different cleaning capacities and problem-free changeover to paper system



Programmable top & side clamping

Excellent PCB clamping without having to change the machine set-up



Programmable squeegee angle

Perfect print optimisation by changing the squeegee angle depending on the product and the printing direction



Automatic soldering paste supply

Uninterrupted, cycle time-optimised production using sensor-controlled paste supply for optimum paste quantity on the stencil



Central program data management

Efficient offline programming and central management of the printing programs including traceability for product, paste, material and machine

Other options:

- Automatic stencil changer with paste transfer
- Closed print head (compatible with standard cartridges)
- Paste fill level sensor
- Temperature and moisture sensor
- Air conditioning unit
- Integrated paste inspection with Gerber data import
- With back-to-back capability as standard
- Cycle monitoring for stencil, squeegee and cleaning system
- Special squeegee for high-speed printing (400 mm/s) and increased paste volume (Tip/Curved squeegee)
- Extended vacuum system for PCB and stencil fixing (three-stage)